

Nikolayevskiy, V. N.

Mechanics of solid deformable bodies 215 pp

ITOGI NAUKI I TEKHNIKI. MEKHANIKA TVERDYKH DEFORMIRUYEM-

YKH TEL. MEKHANICHESKIYE SVOYSTVA GRUNTОВ I TEORIYA

PLASTICHNOSTI, vol. 6, 1972, pp. 1-85

AIR/FTD-T-24-825-73

Golitsyn, G. A.

A Dynamic Theory of Behavior.

30 pp

MEKHANIZMY I PRINTSIFY TSELENAPPAVLENNOGO

POVEDINIYA, Moscow, 1972, pp 5-33.

JPRS 60091

Shamis, A. L.

An Approach to the Construction of a Formal Model
of Behavior.

16 pp

MEKHANIZMY I PRINTSIPY TSELENAPRAVLENNOGO
POVEDENIYA, Moscow, 1972, pp 34-39.

JPRS 60091

Yakubovich, V. A.

One Class of Adaptive Systems and Results of
Computer-Modeling of Their Self-Instruction.

30 pp

MEKHANIZMY I PRINTSIPY TSELENAPRAVLENNOGO

POVEDENIYA, Moscow, 1972, pp 50-79.

JPRS 60091

Glazunov, N. I.

The Expedient Functioning of Automata With
'Normal' and 'Disturbed' Behavior in Experiments
on Reinforcement Selection.

13 pp

MEKHANIZMY I PRINTSIFY TSELENAPRAVLENNOGO
POVEDENIYA, Moscow, 1972, pp 80-92.

JPRS 60091

Kozharskiy, L. A.

Simple Inductive Interaction Between Man and
Objects and Events.

8 pp

MEKHANIZMY I PRINTSIPY TSELENAPRAVLENNOGO
POVEDENIYA, Moscow, 1972, pp 93-100.

JPRS 60091

Kasatkin, A. M.

Modeling Complex Behavior With the Aid of M-Automata.

19 pp

MEKHANIZMY I PRINTSIFY TSELENAPRAVLENNOGO
POVEDENIYA, Moscow, 1972, pp 101-119.

JPRS 60091

Kasatkina, L. M.

Experimental Study of a Model of Motor Behavior,

23 pp

MEKHANIZMY I PRINTSIPI TSELENAPRAVLENNOGO

POVEDENIYA, Moscow, 1972, pp 120-142.

JPRS 60091

Taleyev, S. A.

Model of the Organization of Goal-Directed
Behavior,

5 pp

MEKHANIZMY I PRINTSIPY TSELENAPRAVLENNOGO

POVEDENIYA, Moscow, 1972, pp 143-147.

JPRS 60091

Sudakov, K. V.

Theoretical Aspects of Motivational Stimulation.

22 pp

MEKHANIZMY I PRINTSIFY TSELENAPRAVLENNOGO

POVEDENIYA, Moscow, 1972, pp 148-167.

JPRS 60091

Shuleykina, K. V.

Structural, Behavioral, and EEG Correlates of
Alimentary Motivation.

31 pp

MEKHANIZMY I PRINTSIPY TSELENAPRAVLENNOGO
POVEDENIYA, Moscow, 1972, pp 168-195.

JPRS 60091

Makarenko, Yu. A.

Structure and Functions of Central Mechanisms
of Reinforcement.

17 pp

MEKHANIZMY I PRINTSIPY TSELENAPRAVLENNOGO
POVEDENIYA, Moscow, 1972, pp 212-227.

JPRS 60091

Bogomolova, Ye. M.

On Various Types of Corticopetal Influences
From Deep-Seated Emotiogenic Formations of the
Brain.

33 pp

MEKHANIZMY I PRINTSIFY TSELENAPRAVLENNOGO
POVEDENIYA, Moscow, 1972, pp 228-258.

JPRS 60091

Shumilina, A. I.

Correlation Between Primary Response and Late
Slow Oscillation of Evoked Potential in Response
to Light in Awake and Anesthetized Rabbits.
14 pp

MEKHANIZMY I PRINTSIPY TSELENAPRAVLENNOGO
POVEDENIYA, Moscow, 1972, pp 259-271.
JPRS 60091

Serbinenko, M. V.

The Orientative-Investigative Reaction as a
Factor Changing the Configuration of Evoked
Potentials on Repeated Flashes.

13 pp

MEKHANIZMY I PRINTSIPI TSELENAPRAVLENNOGO
POVEDENIYA, Moscow, 1972, pp 272-281.

JPRS 60091

Mamedov, A. M.

Cross-Correlation Analysis of Stress Rhythm
During Action of Stimuli of Different Biological
Significance.

11 pp

MEKHANIZMY I PRINTSIPY TSELENAPRAVLENNOGO
POVEDENIYA, Moscow, 1972, pp 282-290.

JPRS 60091

Mechanisms of sleep. 120 pp.

MEKHANIZMY SNA, 1971.

NASA TT F 740-73

may 73

RUSSIAN

JPES

13 pp

CSO: 8344/1048

4 December 1974

Kuznetsov, K. G.

//MEKHANIZIROVANNAYA RAZRABOTKA STATIS-
TICHESKIKH OTCHETOV NA MASHINE "ISKRA-23"
--/--/1974, V----, N----, PP 1*, 0004-0011

Moscow

Mechanized Processing of Statistical Calculations on the "Iskra-23" Computer

#

Special Type B

Do Not Publish

Single spaced draft plus one

MEIDINGER FRA SSR (Reports from SSF), No 3, 1971,
pp 80-105 47 pp.
NFS on loan

may 73

Klemiatsonok, P.L.

Determining Characteristics of Clayey Soil
Density by Penetration

MELIOR VOD KHOZ, Vol 20, 1972, pp 61-69

*NTIS-TT-74-53314

Schulte-Karring, H.

~~NEW~~ Soil Reclamation Management

DIE MELIORATIVE BODENBEWIRTSCHAFTUNG, 1970, 169 pp

*NTIS-TT-74-53135

Kemnitz, G.

*Results of dynamic tire cord test in comparison with
behavior of cord in the tire.*

MELLIAND TEXTILBER. Vol 42, No 1, 1961, pp 16-20

A T S 1562-GJ

Ruta, H.

The new high-speed carding machine, model C 2/1
MELLIAND TEXTILBERICHTE (INTERNATIONAL), v. 46, n. 7,
1985, pp. 682-687
NTC 73-21678-2LE

Reumuth, H.

Kinematography and ultrahigh-speed photography. Their possibilities and limitations as a means of research in the technical sciences

MELLIAND TEXTILBERICHTS (INTERNATIONAL), v. 46, n. 7,

1965, pp. 689-694

NTC 73-21677-11E

Stein, H.

*The use of high-frequency kinematography for investi-
gating the spinning process*

MELLIAND TEXTILBERICHTE (INTERNATIONAL), v. 46, n. 8,

1965, pp. 783-790

NTC 73-21676-11E

Koch, F.

The practice of test data storage on magnetic tape in
the art of textile testing
MELLIAND TEXTILBERICHTE (INTERNATIONAL), v. 46, 1965,
pp. 903-908 and pp. 1030-1033
NTC 73-22682-111

Kling, W.

From the empiricism to the theory of textile washing
NELAND TEXTILBERICHTE (INTERNATIONAL), v. 46, 1965,
pp. 957-963
ITC 73-21692-11E

UNKNOWN

//MELLAND THERILBERTONTE//

--/--/1965, 70046, IV----

New Warping Frames in Knitting Mills,

pp 1054-1058, ITC 74-11071-11090

RAU, J. H.

//MELLAND TELEFILMERICTH//

---/--/1965, VOL 46, N---,

Separation by Thin-Layer Chromatography and
Identification by Infrared Spectroscopy of Plasticizer
Mixtures from Coated Fabrics,
pp 1317-1322, NAC 74-11076-11093

KINAZETI, A. I. V. J.

//MELLIAND THEILBERICHNE//

--/--/1987, VOYAGE, N-----,

On the Function of the Cards. Part I.,

pp 15-22. NTC 74-11077-11080

WETZ, P. E.

//METHUEN TEXTILBERICHT//

--/--/1967, VOL. 8, N. 1--

The Far-Reaching Significance of the Diffusion
Coefficient in Dyeing Processes. Part I. Report
on the Diffusion of Dyes.

EP 70-75, INC 72-11076-11096

KINAFENNE, A. I. V. J.

//MELLAND TEKILBERICHT//

--/--/1967, VODAC, H----

On the Function of the Cards. Part II.

pp 144-146, ZTC 74-11030-11E36

SCHENK, E.

//MILLAND TEXTILHERICHT//

--/---/1967, V0048, N----

Converting Continuous Synthetic Fibers to Staple
Fibers, which can be Spun by Means of Drawing
Rollers.

TP 855-865, IN: 71-11080-11200

Graff, P.

Fleece and paper as outer garments.
MELLIAND TEXTILBERICHTE (INTERNATIONAL),
1968, pp 51-56, v. 49, n. 1.
NTC 73-12307-11E.

Order, H.

New Technology in the Manufacture of Nonwoven Fabrics
MELLAND, WENDEL BRIGHT, v. 49, n. 7, 1968, p. 771-777
IEC YPC-EC

Sinner, H.

*Test method for the determination of the "drying power"
of textiles.*

MELLIAND TEXTILBER. Vol 49, No 8, 1968, pp 947-949
A T S 1561-GJ

Rochas, P.

Examples of the use of radioisotopes in textile research and the French textile industry.

Melliand Textilberichte (International), vol. 49, pp. 1123-1130, 1968.

NTC 73-10476-11 E.

May 73

McDowell, W.

Some Thermodynamic and Kinetic Aspects of the
Dyeing of Polyester Fibers with Disperse Dye-Stuffs
Part 1

MELLIAND TEXTILBERICHTE (INTERNATIONAL), v. 50, n. 1,
1969, pp. 59-84
NTC 73-12476-11E

Hamana, I.

The progress of fiber formation processes
from melt spinning.

MELIAND TEXTILBERICHTER (INTERNATIONAL), 1969,
pp 382-388, v. 50, n. 4.
NTC 73-12308-11E.

McDowell, W.

Some Thermodynamic and Kinetic Aspects of the
Dyeing of Polyester Fibers with Disperse Dyes Part II
MELLAND TEXTILTECHNIK (INTERNATIONAL), v. 50, n. 7,
1969, pp. 814-823
NTC 73-12477-11E

McDowell, W.

Some Thermodynamic and Kinetic Aspects of the
Dyeing of Polyester Fibers with Disperse Dyes Part III,
MELLIAND TEXTILBERICHTE (INTERNATIONAL), v. 50, n. 11
1969, pp. 1340-1344
NTC 73-12478-11E

Gebert, K. H.

The dyeing of polyester textile material
in perchloroethylene by the exhaust
process.

MELLIAND TEXTILBERICHTE (INTERNATIONAL), 1971,
pp 710-715, v. 52, n. 6.
NTC 73-12065-11E.

McDowell, W.

Some Thermodynamic and Kinetic Aspects in the
Dyeing of Polyester Fibers with Disperse Dyes Part IV
MELLAND TEXTILBERICHTE (INTERNATIONAL), v. 52, n. 6,
1971, pp. 716-725
NTC 73-12479-11E

Milster, H.

Washing Techniques for Textile Tests

DELLAND TEXTILBERICHTE, v. 52, 1971, p. 836-840

CSIRO-Trans-11200

Available on loan from NTG 73-11738-11E

MEASURING THE FUNCTIONAL EFFECT OF CLOTHING ON
N. PEOPLE

MECHELS JUERGE LANGUAGE-GE COUNTRY-GW

MELLIAND TEXTILBERICHTE 7 1971 PP 843-849

✶
FSTC-HT-23-0794-74

Fichtner, E.

Effects of fibre properties on the sites
of fibres in the yarn, and the yarn
properties that result therefrom.

MELLIAND TEXTILBERICHTE (INTERNATIONAL),

V. 52, p. 892-900, 1971

NTC as 73-10634-11E

may 73

Luenenschloss, T. W.

Measurement of the temperature of the spinning traveler,
without contact, with the help of an infrared
microscope

MELLIAND TEXTILBERICHTE (INTERNATIONAL), v. 52, n. 10,
pp. 1117-1125, and n. 11, 1977, pp. 1237-1244
NTC 73-12830-11E

Satlow, G.

*State of international carpet testing methods, and their
formative values.*

MELLIAND TEXTILBERICHTE (INTERNATIONAL), Vol 52, No 12,
1971, pp 1435-1443

NTC 73-13544-11E

Brewer, A.

New ways of retaining the clean appearance of carpets
by fiber modification.

MELLIAND TEXTILBERICHTE (INTERNATIONAL), Vol 52, 1971,

pp 1444-1446

NTC 73-13558-123

Mueller, R.

*Viscosity and flow behavior as essential variables in
textile printing.*

MELLIAND TEXTILBER, Vol 53, No 2, 1972, pp 201-203
ATS 1567-G7

Berlenbach, W.

Dispersed thickening agents in textile printing.

MELLIAND TEXTILBER, Vol 53, No 2, 1972, pp 207-210

A T S 1548-GJ

Gerber, H.

Contribution to the discussions of the problem of dye migration during intermediate drying.

MELLIAND TEXTILBER., Vol 53, No 3, 1972, pp 335-339

A T S 1583-GJ

Buehler, G.

The Interference-Free Measurement of the
Weight per Unit Area of meshed Material 28 pp

MELL, TEXT, BER INTERNATIONAL Vol 53, No 11 1972
pp 1236-1244

CB/DEFDRIC/TRAN-3197-73
BR-30541

Beyer, H.

*Electrostatic behavior of textile floor coverings
based on the walking test.*

MELLIAND TEXTILBER, Vol 53, No 12, 1972, pp 1347-1352

A T S 1547-GJ

Necheels, J.

The Influence of Textile Structure on Its
Permeability to Heat and Moisture 24 pp

MELL. TEX. BER. Vol 12, 1972 pp 1403-1411

GB/DEFDRIC/TRAN-3184-73

FALKAT, R. VON
//MELLENBACH THEILBERICHT. INTERNATIONAL//
--/--/1972, V0053, H---,
Production, Properties and Application of
Polycarbonate Fibers,
SP 1157-1204, IHS 74-11007-1153

PEIKEMA, T. G.
//MELAND TEXTILIERICHTER. INTERNATIONAL//
--/--/1971, VOORLE, II----,
Investigation of the Rate of Combustion of Different
Textiles,
pp 179-184, NRC 78-11126-11139

BERNERT, J.

//MELILAND TEXTILBERICHTE. INTERNATIONAL//

--/--/1973, V0054, N-----,

The Law and Technology of Air Pollution Control
in the Textile Industry,

pp 295-300, NRC 74-10475-11230

REMIER, P.
//MELLAND TR. TRICITE. INTERNATIONAL//
--/--/1978, VOL 54, N---,
Crimped Fiber Staples and Bulky Wet-Laid Webs,
pp 466-470, IFF 74-11000-11100

Lauhus, G.

*Permanently artistatic carpets - impossible or
attainable?*

MELLIAND TEXTILBER, Vol 54, No 5, 1973, pp 537-542
A T S 1546-GJ

HUNGARIAN:

"Melyepitestudományi Szemle", July 1971, Budapest,
Hungary, pps. 289-305.

DIA LN 388-72 (34 pps.)

CARNINO, A
//MEMENTO POUR LA PREPARATION D'ANALYSES DE SURETE
PAR ARBRES DE DEFAILLANCES//
--/05/1973, V----, N----,
Fault Tree Method of Safety Analysis, 16 pp
SETS Report No 14, AEC/TR-7557-7400

TIGGELEN. A. VAN
//MEMOIRES DE L'ACADEMIE ROYALE DE BELGIQUE//
--/--/1952, V0027, N0001
Contribution to the kinetic study of combustion
and ignition reactions. Velocity of flame
propagation.
pp 3-27 APL T-2868##

REVUE DE METALLURGIE. MEMOIRES SCIENTIFIQUES

FILED

MEMOIRES SCIENTIFIQUES REVUE DE METALLURGIE

Frot, M. M.

A New Type of Metal Fatigue Test Machine Using
Rotary Flexion.

REV. MET., 1937, Vol. 34, pp.440-442.

BISI 11318

Prot, M.

Results of Fatigue Tests with Progressive Load.
REV. MET., 1951, Vol. pp.822-824.

BISI 11322

Martin, P.F. et al

The Study of the Embrittlement of Weldable Manganese-Molybdenum Steels During Stress-Relieving After Welding.

REV. MET., 1962, Oct. pp.829-843.

BISI 11253

de Lavareille, A. et al

Applications in the Electric Steelworks of the
IRSID Technique of Blowing in Powder Materials.
REVUE DE METALLURGIE, 1963, Vol. 60, No.9,

pp.733-750.

*BISI 11668

16-Aug-73

Uncl (ORNL-tr--2459) Metastable phases in uranium-titanium alloys. ANAGNOSTICIS, M.; BASCHWITZ, R.; COLOMBIE, M. Translated by R. Gregg Mansfield (Oak Ridge National Lab., Tenn.) from Mem. Sci. Rev. Met.; 63: No. 2, 163-166(1966). 15p. (CONF-641032--1). Dep. NTIS \$3.00.

From Autumn sessions of the French Society of Metallurgy; Paris, France (Oct 1964).

11F metallurgy; translations
MM-25 P NSA

Maldy, J.

Withdrawn

Structure of the iron-iron oxide interface.
Role of residual impurities.

MEMOIRES SCIENTIFIQUES REV. METALLURG., LXII,
No.5, 1968, pp.379-398.

BISI 9173

Odin, G.

Study of the Mechanical Properties of
Silicon Ferrites. Effect of Carbon.
REVUE DE METALLURGIE. MEMOIRES SCIENTIFIQUES,
Vol 63, p. 623-647, 1966

Available on loan from NTC 73-10775-11F

may 73

B. Thomas

The Influence of Silicor. on the Plastic Deformation
of 18 Cr 14 Ni Austenitic Stainless Steel.

REV. MET. MEM. SCI., no. 7/8 pp 625-636, 1967.

BISI 10557

Pedrzucki, C.

Study of corrosion of cast iron in
liquid aluminum-silicon alloys. Making
a special cast iron for crucibles for
melting those alloys.

REVUE DE METALLURGIE, v. 65, p. 137-144,
1938

NTC as 73-10534-11F

may 73

Silvent, A.

High temperature deformation of pure nickel and nickel-aluminium alloys. Effect of irradiation.

REVUE DE METALLURGIE, MEMOIRES SCIENTIFIQUES, Vol 65,
No 10, 1968, pp 733-743

C. E. Trans 6207

Parisot, J. et al

Study of the Precipitation in Iron-Carbon Ni-
trogen Alloys by Measurement of the Internal
Friction by Means of a Bi-Frequency Pendulum.
REV. MET. MEM. SCI., 1969, Vol.66, No. 2,
pp.105-115.
BISI 11552

CHAMPIN, B.
//MEM. SCI. REV. MET//
--/--/1969, V0068, N0005,
*Behaviour of Delta ferrite in binary and
pseudo-binary alloys during quenching*
pp 375-387, BISI 12199##

Henry, G.

Mechanism of the action of boron in austenitic stainless steels.

REVUE DE METALLURGIE, MEMOIRES SCIENTIFIQUES, Vol 67,

1970, pp 233-251

BISI Trans 8709

Murry, G.

Study of the Tempering of Two Steels, Types 35 NCD
16 and 35 NC 15 Analysis of the Equivalence Between
Temperature and Duration of Tempering (*)

REV. MET., 1970, July/Aug., pp 653-70

BISI 11252

B. Baroux

Anisotropic behaviour of aluminium grain
boundaries during dissolution.

REVUE DE METALLURGIE. MEMOIRES SCIENTIFIQUES,

Vol 68, pp 351-356, 1971

NTC 72-15147-11F

mar 73

Madronero, A.

Study of the ductility of Al-Zn-Mg alloys in the solidification interval as a factor characterizing their hot embrittlement. The fracture mechanism

REVUE DE METALLURGIE, v. 68, n. 9, 1971, pp. 579-

593

NTC 72-12912-11F

Rollot, P.

Agglomeration chain No. III
REVUE DE METALLURGIE, v. 68, p. 693-699,
1971
TC-12663

Boyer, J.

Continuous Casting at No 1 Melting Shop.

REV. MET., 1971, Nov., pp.709-723.

HISI 11208

Manenc, J.

Study of the Hardening of Ferritic and
Martensitic Alloys Fe-Mn-Ti

17 pp

MEN. SCI. REV. MET., Vol 68, No 4, 1971
pp 761-769

GB/DEFDRIC/TRAN-3391-73

G. MURRY

A Proposed Quatitative Method For Using The
Results of Work on Steel Transformation
During Continuous Cooling.

REVUE DE METALLURGIE. MEMOIRES SCIENTIFIQUES,

Vol 68, No 12, pp 817-826, 1971.

BISI-10170

Mar 73

Leroy, P. et al

The LWS Process.

REV. MET., 1972, Vol.69, No.3, Mar., pp.187-195.

BISI 10623

Mathieu, J. C.

Function of the Computer Controlling the Saeilor Light
Section MLL

REV. MET., 1972, March, (2), pp 231-233

BISI-11496

Hyspecka, L.

*Contribution to the study of hydrogen embrittlement in
martensitic structures.*

MEM. SCI. REV. MET. Vol 63, No 5, 1972, pp 359-364

ATS 1593-FJ

The Cold Working of Steel Tubes by Drawing or Rolling,
by Anon.

REV. MET. 1972, June, pp 427-430.

BISI 10843

April 73

Non-Destructive Testing in the Steel Tube In-
dustry the Extent of Problems of Method.

REV. MET. 1972, June, pp.431-435.

BISI 11103

Bernard, G.

Study of thermal phenomena in welded joints.
REV. MET., 1972, July.-August. pp.483-496.

BISI 11734

Chevrier, J. C.

Search For a General Definition of the Cooling
Power of a Quenching Liquid.

REV. MET. MEM. SCI., 1972, Vol. ⁴⁴ 9, Sept, pp. 623-632.

FBISI 11811

Viano, M.

The Sintering Installations of Sacilor in Rom-
bas. The 400 m² line No.2.
REV. MET. 1872, Oct. pp.635-643.
BISI 11229

Catella, R.

The Isbergues Electric Steelworks
REV. MET., 1972, Oct., pp 651-661
BISI 11302

Lambert, L. et al
New continuous casting techniques at the Acie-
ries de Decazeville.
REV. MET., 1972, n.10, pp663-678.
SISI 11210